POZT30 "DEHGZ3G3

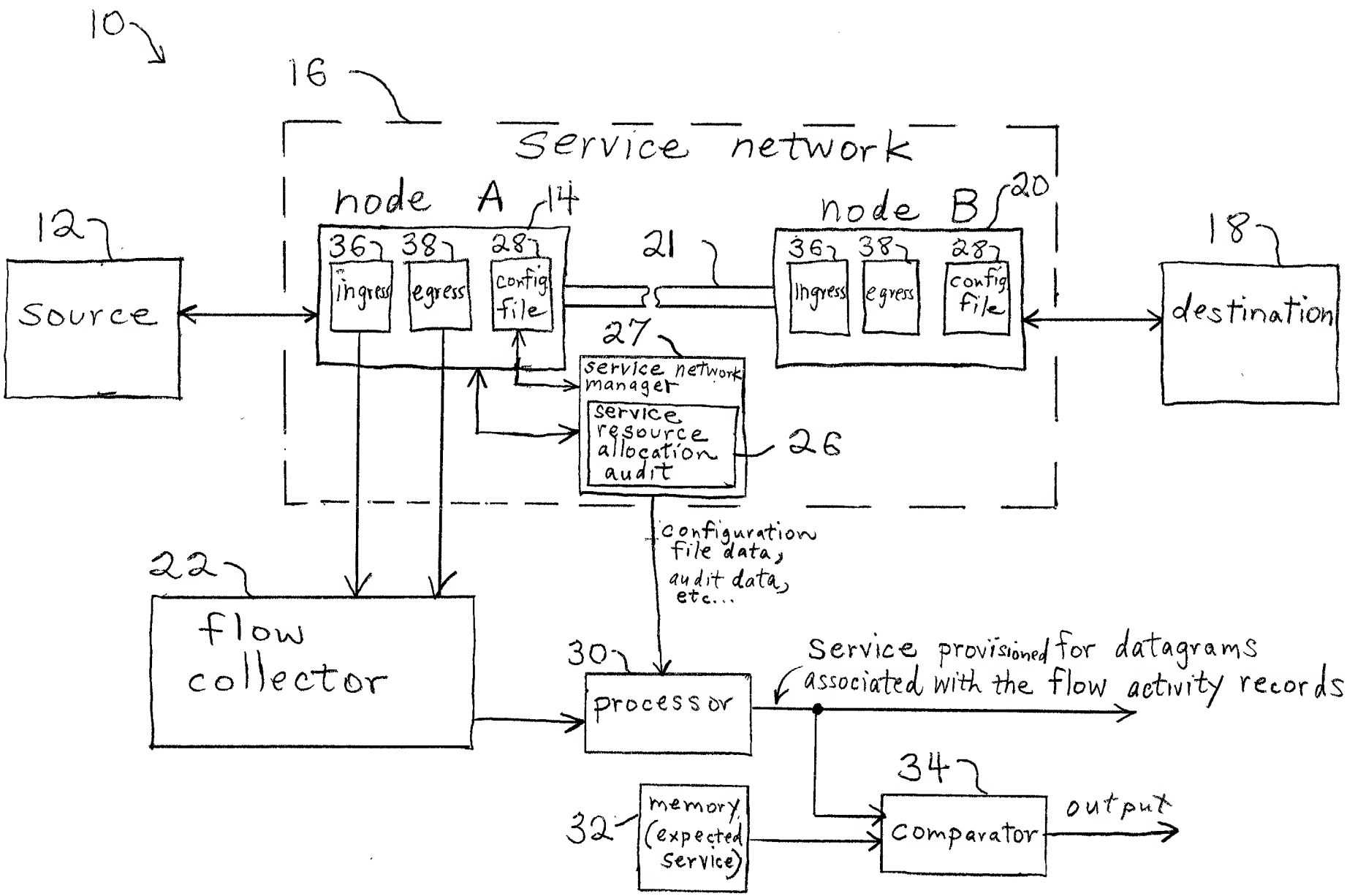

FIG. 1

24 → time stamp data

Flow activity records

start time	end time or duration	flow descriptor	service identifier	service provisioned
t_1		fd_1	SI_{1i} SI_{1e}	SP_{1i}, SP_{1e}
t_2		fd_2	SI_{2i}, SI_{2e}	SP_{2i}, SP_{2e}
⋮		⋮	⋮	
t_n		fd_n	SI_{ni}, SI_{ne}	SP_{ni}, SP_{ne}

FIG. 2

Service resource allocation audit (dynamic service network)

time stamp data

start time	end time or duration	service identifier	service provisioned
t_1		SI_1 SI_2 ⋮ SI_n	SP_1 SP_2 ⋮ SP_n
t_2		SI_1 SI_2 SI_n	SP_1 SP_2 ⋮ SP_n
t_3		SI_1 SI_2 ⋮ SI_n	SP_1 SP_2 ⋮ SP_n

26 ↙

FIG. 3 (PRIOR ART)

Configuration File (non-dynamic service network)

28 →

service identifier	service provisioned
i_1	SP_1
i_2	SP_2
⋮	⋮
i_n	SP_n

FIG. 4 (PRIOR ART)

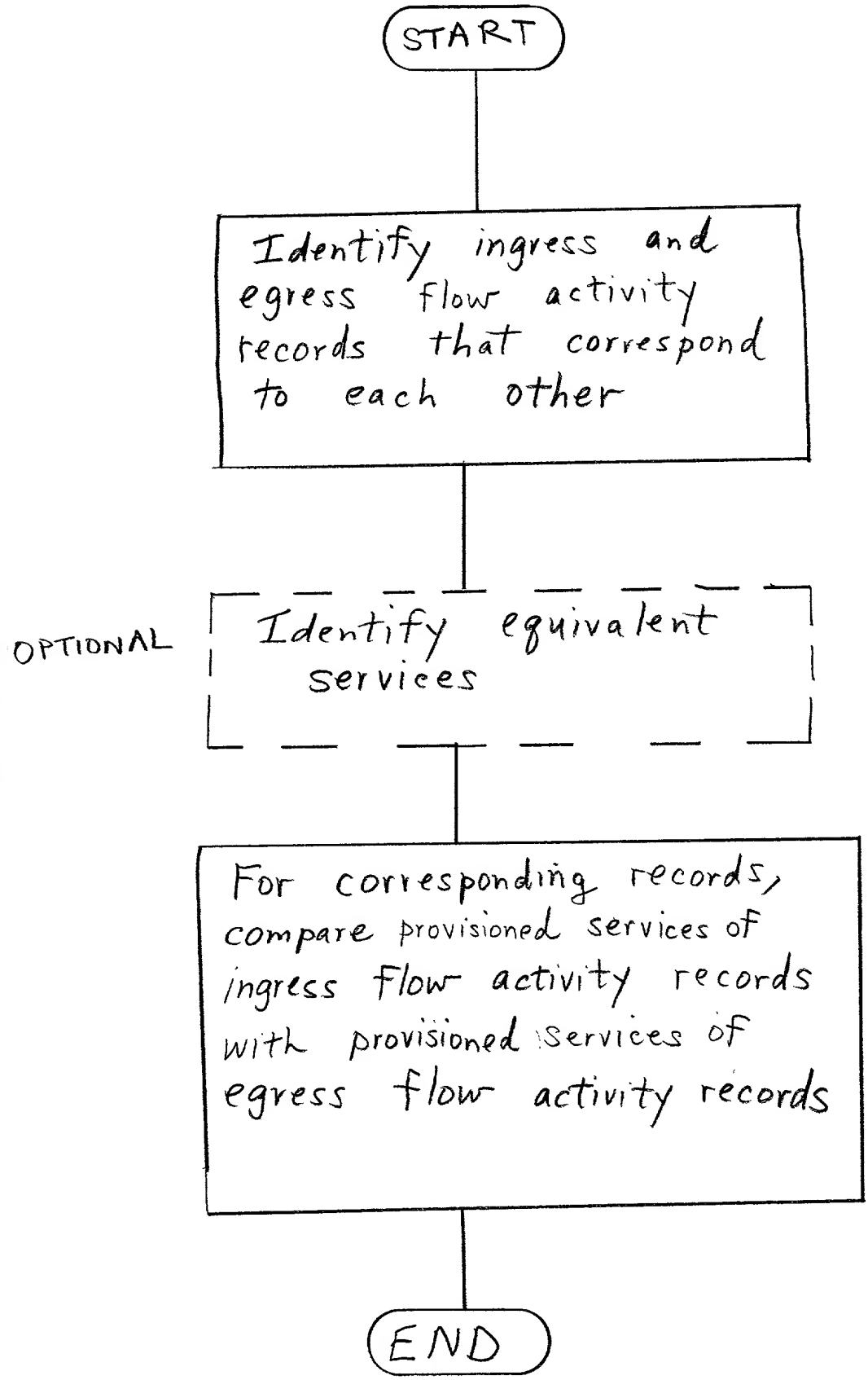
START
Identify ingress and egress flow activity records that correspond to each other
OPTIONAL
Identify equivalent services
For corresponding records, compare provisioned services of ingress flow activity records with provisioned services of egress flow activity records
END

FIG. 5

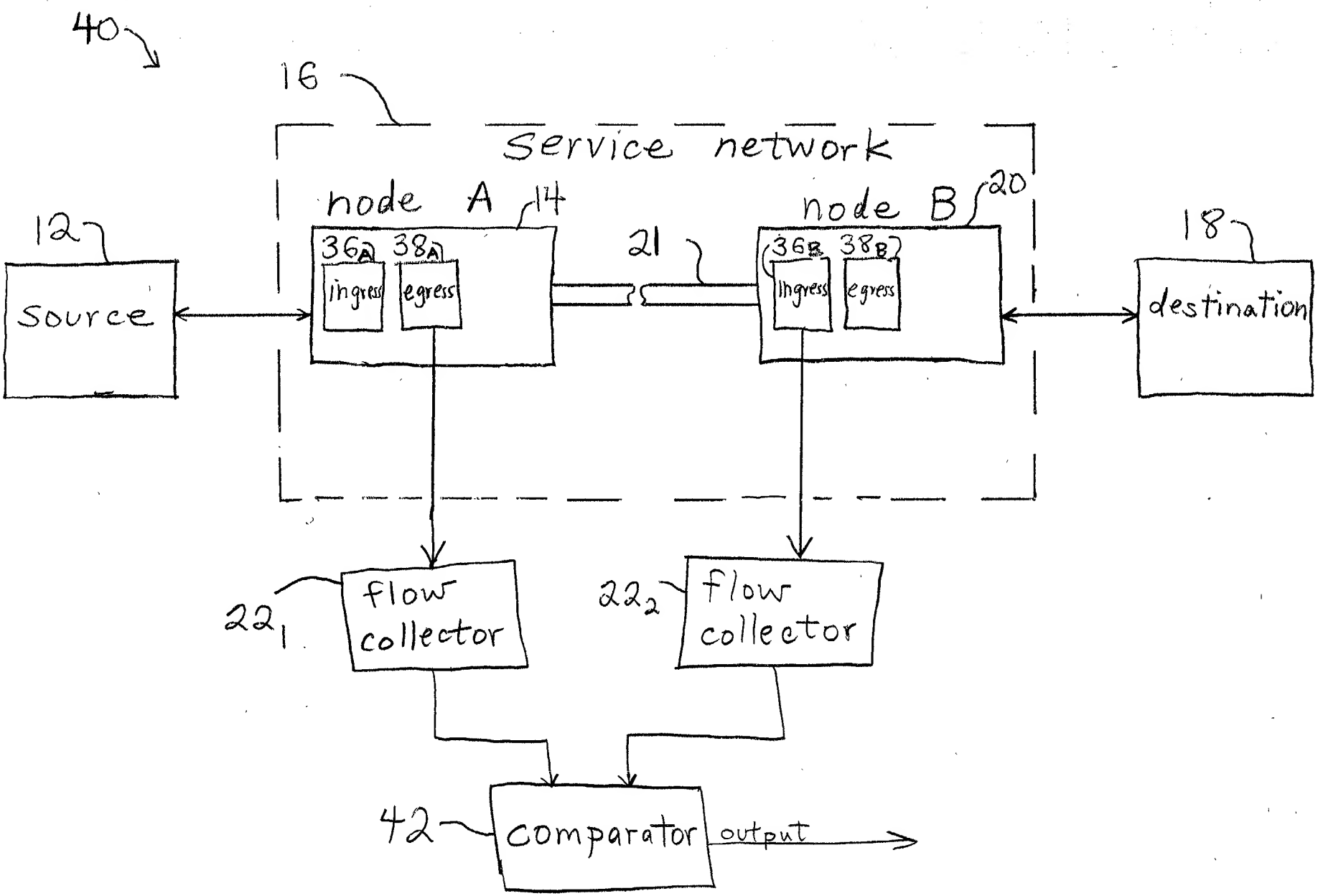
40
16
service network
node A
14
node B
20
12
18
source
36A
38A
ingress
egress
21
36B
38B
ingress
egress
destination
22₁
flow collector
22₂
flow collector
42
comparator
output

FIG. 6

44

Flow activity records

Time stamp: start time	Time stamp: end time or duration	flow descriptor	service label	service provisioned
t_1		fd_1	SL_1	SP_1
t_2		fd_2	SL_2	SP_2
⋮		⋮	⋮	⋮
t_n		fd_n	SL_n	SP_n

FIG. 7

service label File of lookup facility

service label	service provisioned
SL_1	SP_1
SL_2	SP_2
⋮	⋮
SL_n	SP_n

FIG. 8

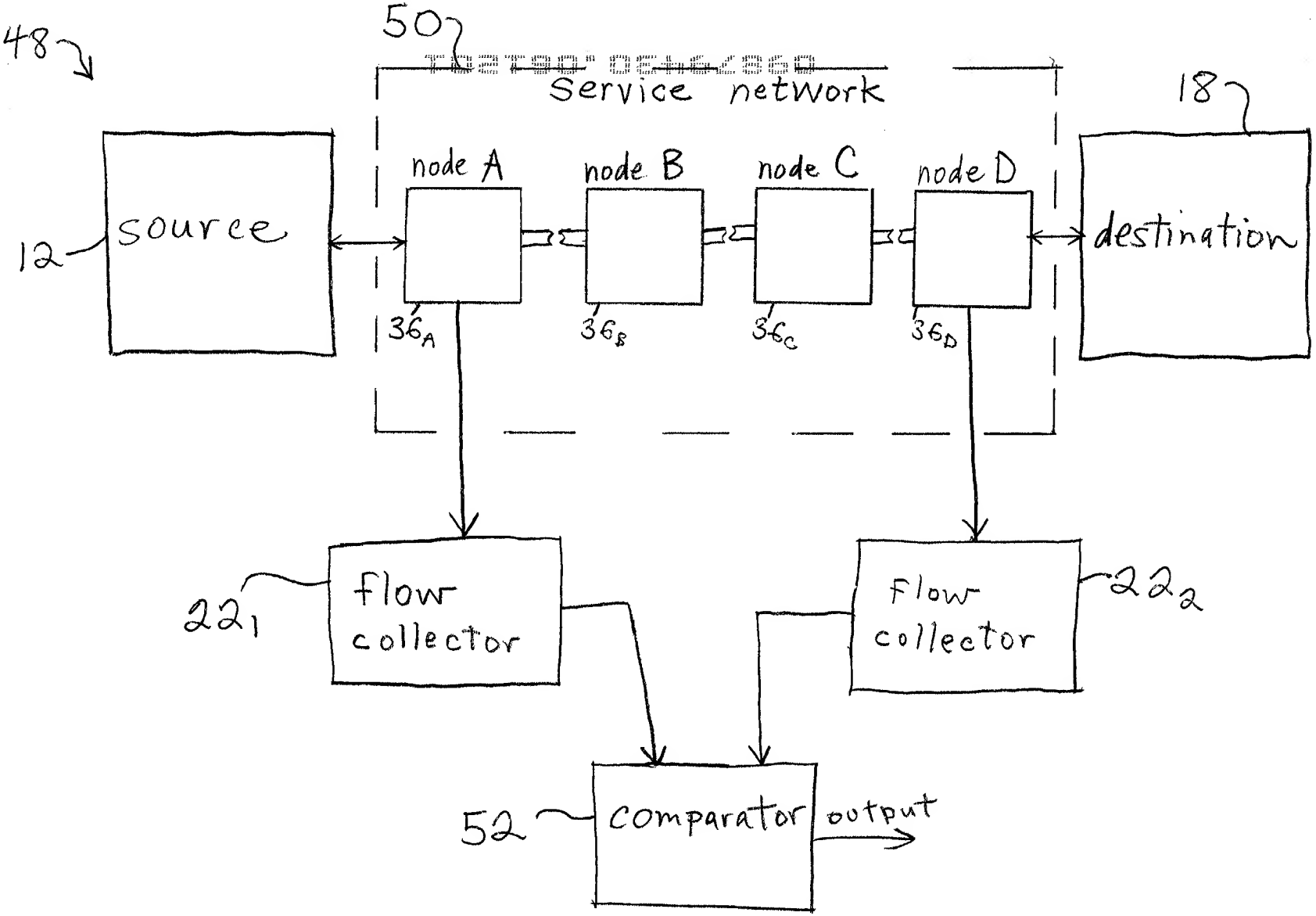
48
50
Service network
18
node A
node B
node C
node D
12
source
destination
36_A
36_B
36_C
36_D
22_1
flow collector
flow collector
22_2
52
comparator
output

FIG. 9

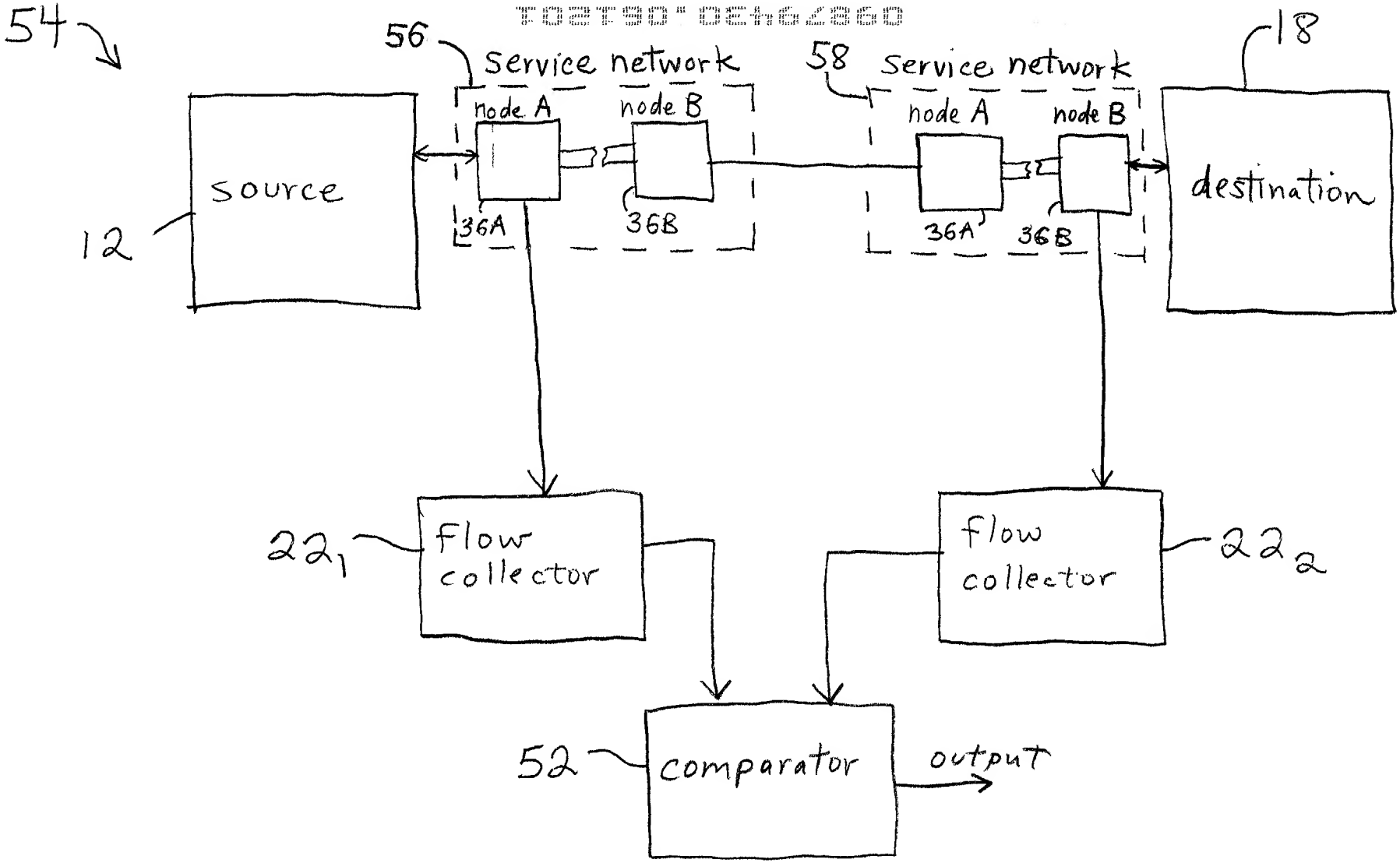
54
56
Service network
58
Service network
18
node A
node B
node A
node B
source
12
36A
36B
36A
36B
destination
22₁
Flow collector
flow collector
22₂
52
comparator
output

FIG. 10

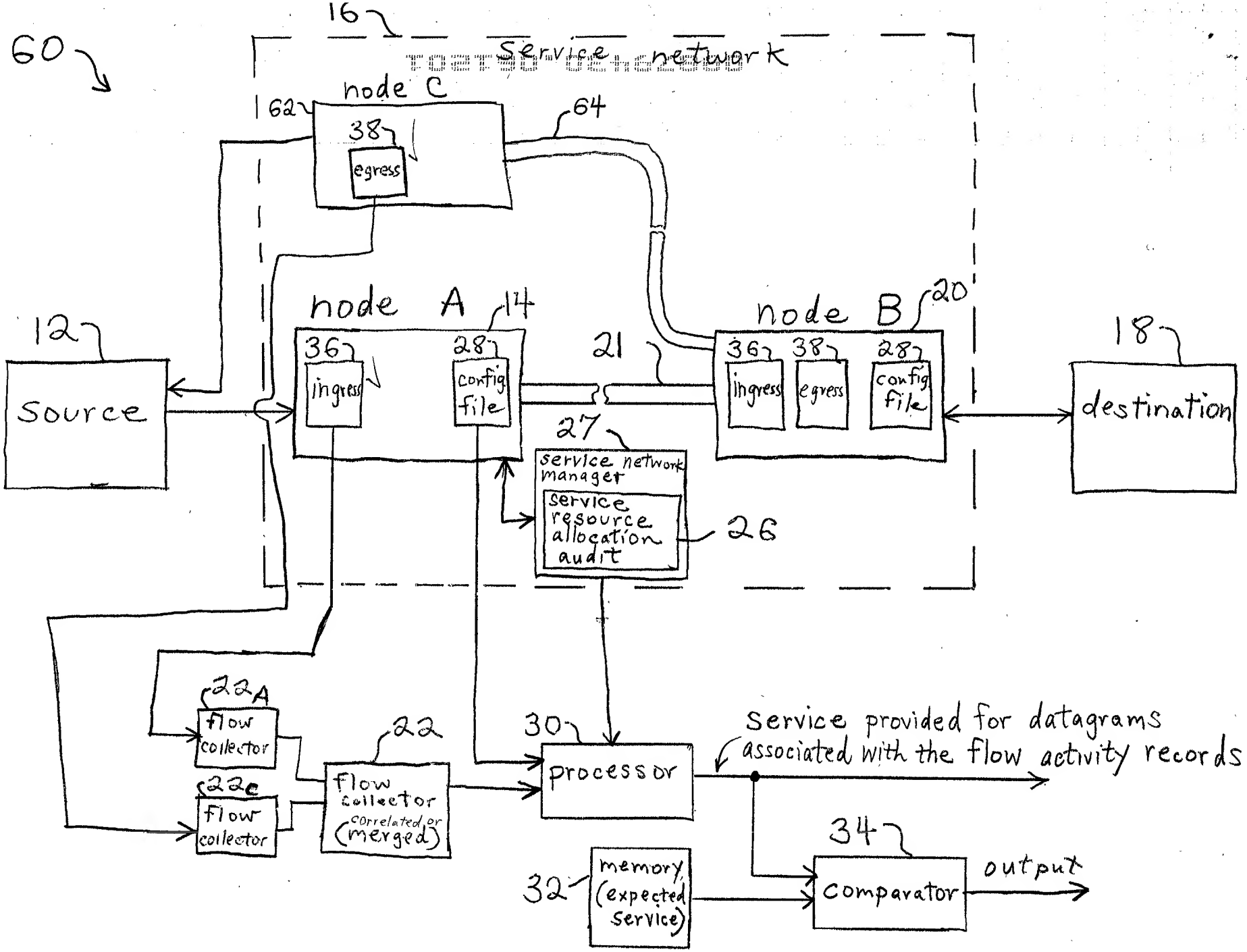
60
16
service network
node C
62
64
38
egress
node A
14
node B
20
12
source
36
ingress
28
config file
21
36
ingress
38
egress
28
config file
18
destination
27
service network manager
service resource allocation audit
26
22A
flow collector
22C
flow collector
22
flow collector (correlated or merged)
30
processor
Service provided for datagrams associated with the flow activity records
34
comparator
output
32
memory (expected service)

FIG. 11